An Open Peer Review Module for Open Access Repositories

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Open Repositories Conference 2016
13-16 June, Dublin

— I am here for a conference on computational biology, and you?

— Well, I am a neuroscientist, but I am here for a conference on open access repositories.

— Repositories? What is that?

— Oh, well… it's a long story… but you just gave me an idea on how to start my presentation…

Real dialogue at the lobby of my hotel

open scholar

http://www.openscholar.org.uk/institutional-repositories-start-to-offer-peer-review-services/

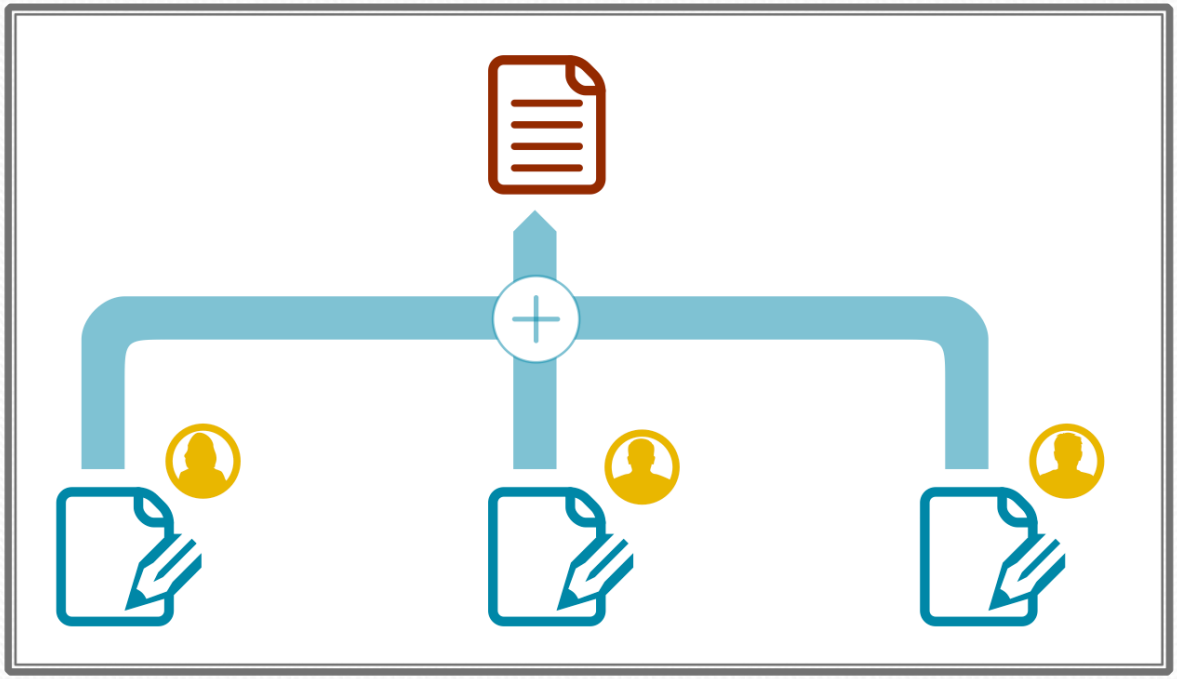
http://proyectos.bibliotecas.csic.es/digitalcsic/oprm/index_eng.html

http://proyectos.bibliotecas.csic.es/digitalcsic/workshop_oa_2014/index_eng.html

- Open access
- Signed
- Nonselective
- Open in time

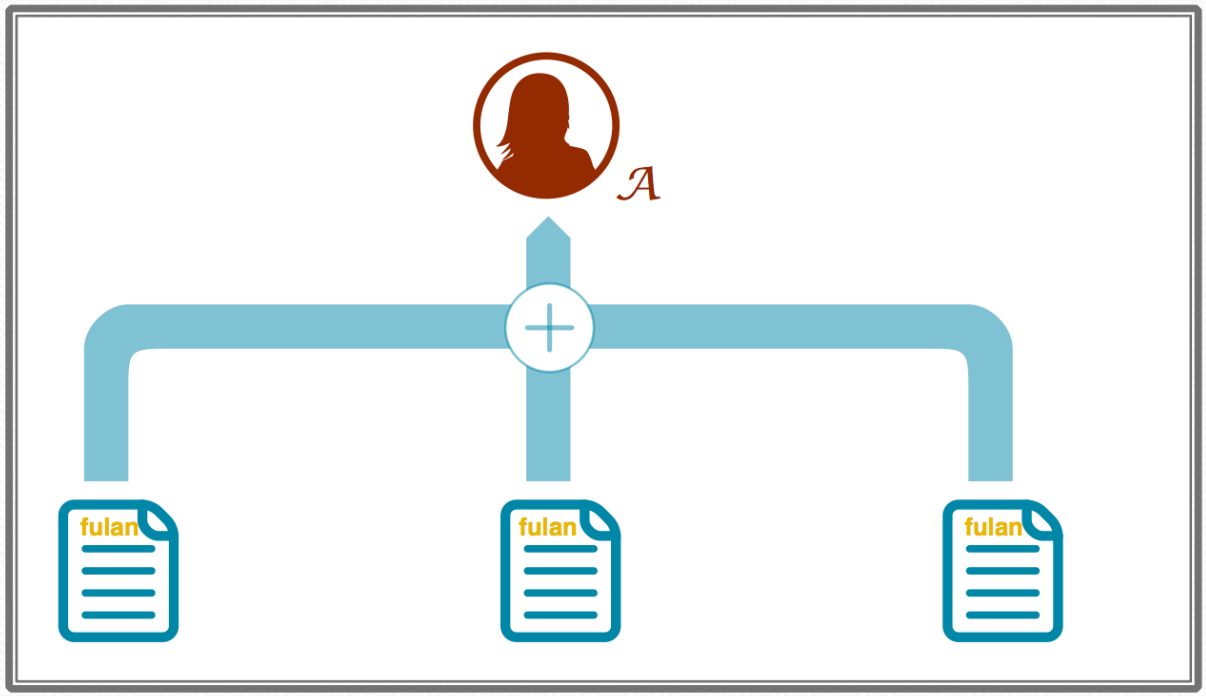
Open Peer Review?

an aggregation of its reviews,
weighted by the reputation of reviewers



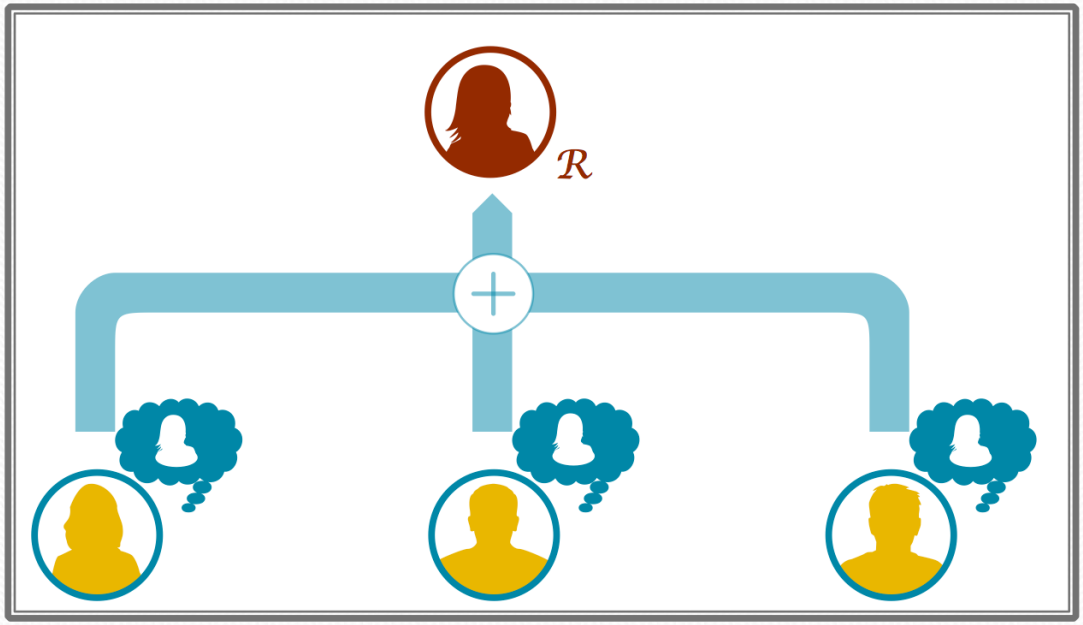
Reputation: research object

an aggregation of her papers' reputation,
weighted by the number of authors



Reputation: author

an aggregation of others opinions on our reviewer, **weighted** by the reputation of the reviewers



http://digital.csic.es/handle/10261/130842

Reputation: reviewer

- Invitation's module
- Reviews' module
- Compute reputations
- Item's view customization
- Author's view customization

OPRM functional structure

- Standard DSpace configurations

  Defining new collections, workflows,...
  Extending the metadata model

- Apply the code
- Extend the data model (database)
- Views Customization

  Items, authors, item's relationships, collections...

- Search system, index and filtering adjustment...
- OAI-PMH filtering

Installation highlights

Author's model is needed to...

- disambiguate
- identify
- give credit and recognition, i.e. show author's reputation

Available at:

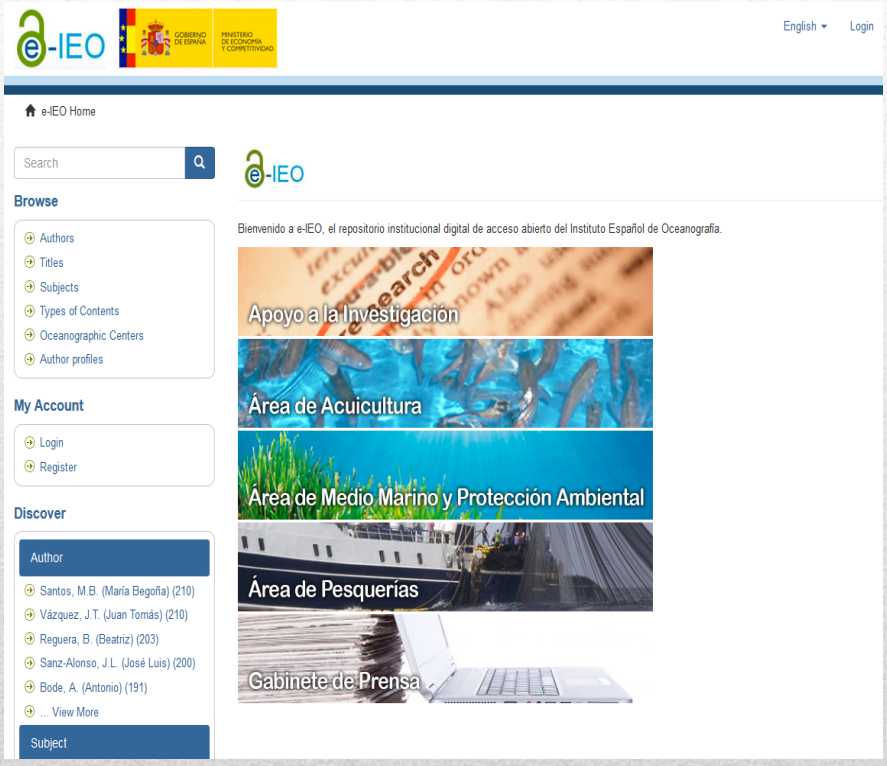
Code for DSpace v5 XMLUI (e-IEO)
https://github.com/arvoConsultores/Open-Peer-Review-Module--

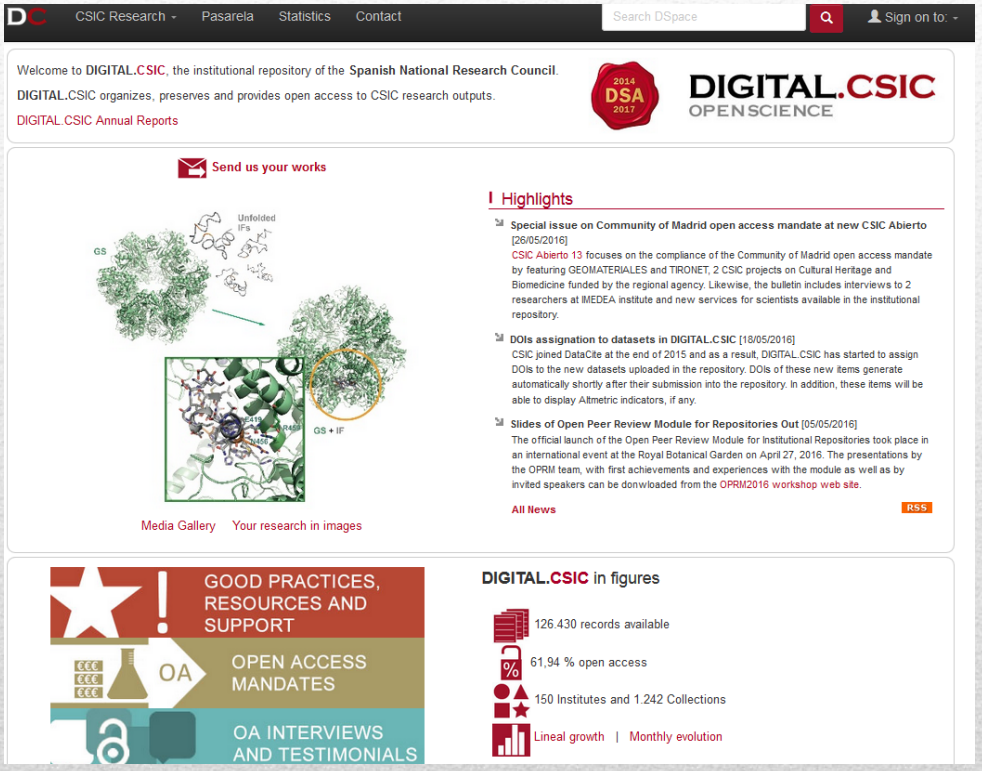
Code for DSpace v4 JSPUI (digital.CSIC)
https://github.com/arvoConsultores/dspace_cris--

Wiki
https://github.com/arvoConsultores/Open-Peer-Review-Module/wiki

DSpace v. 5.2, XMLUI
http://www.repositorio.ieo.es/e-ieo/

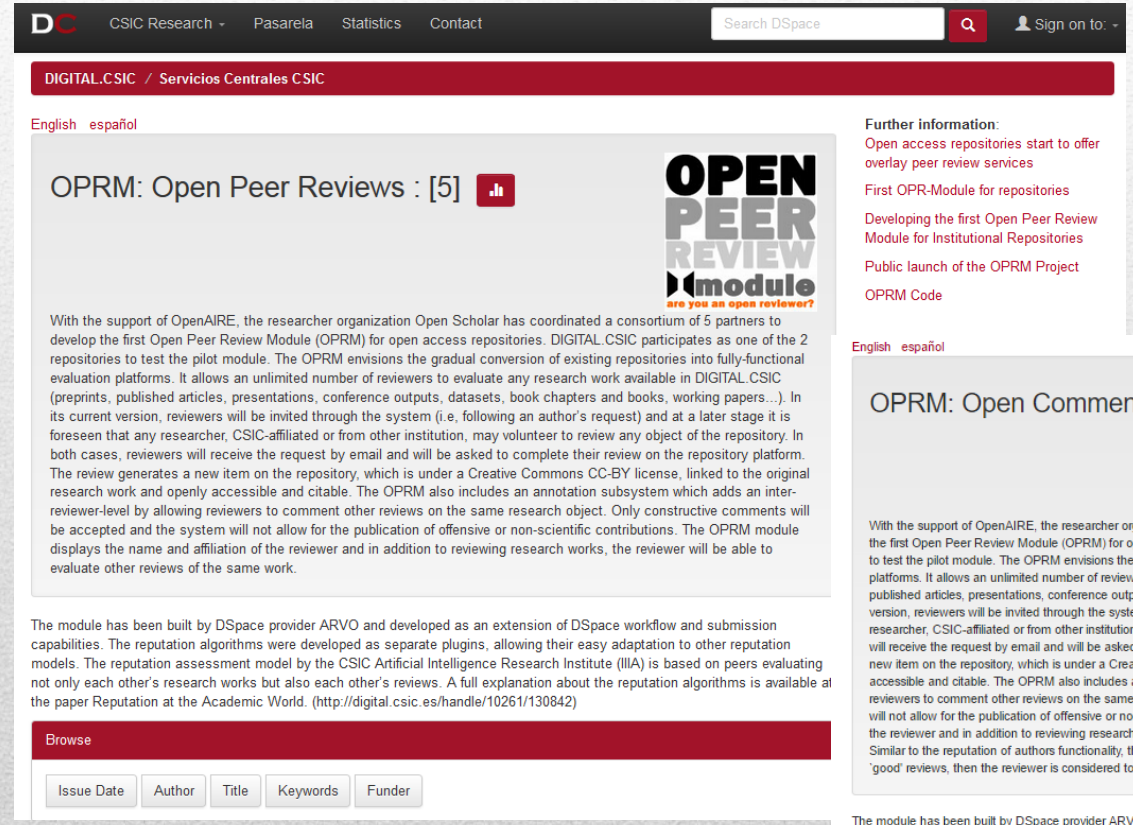
DSpace-CRIS, v.4.3, JSPUI
http://digital.csic.es



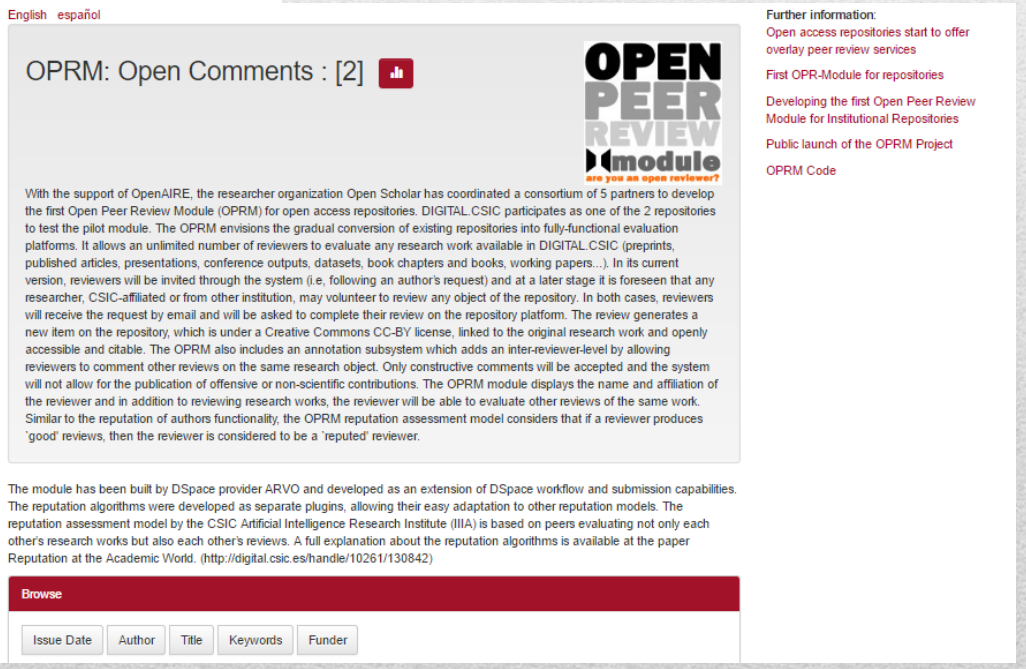


Pilot implementation in 2 institutional repositories

Open peer reviews and comments have their own collections

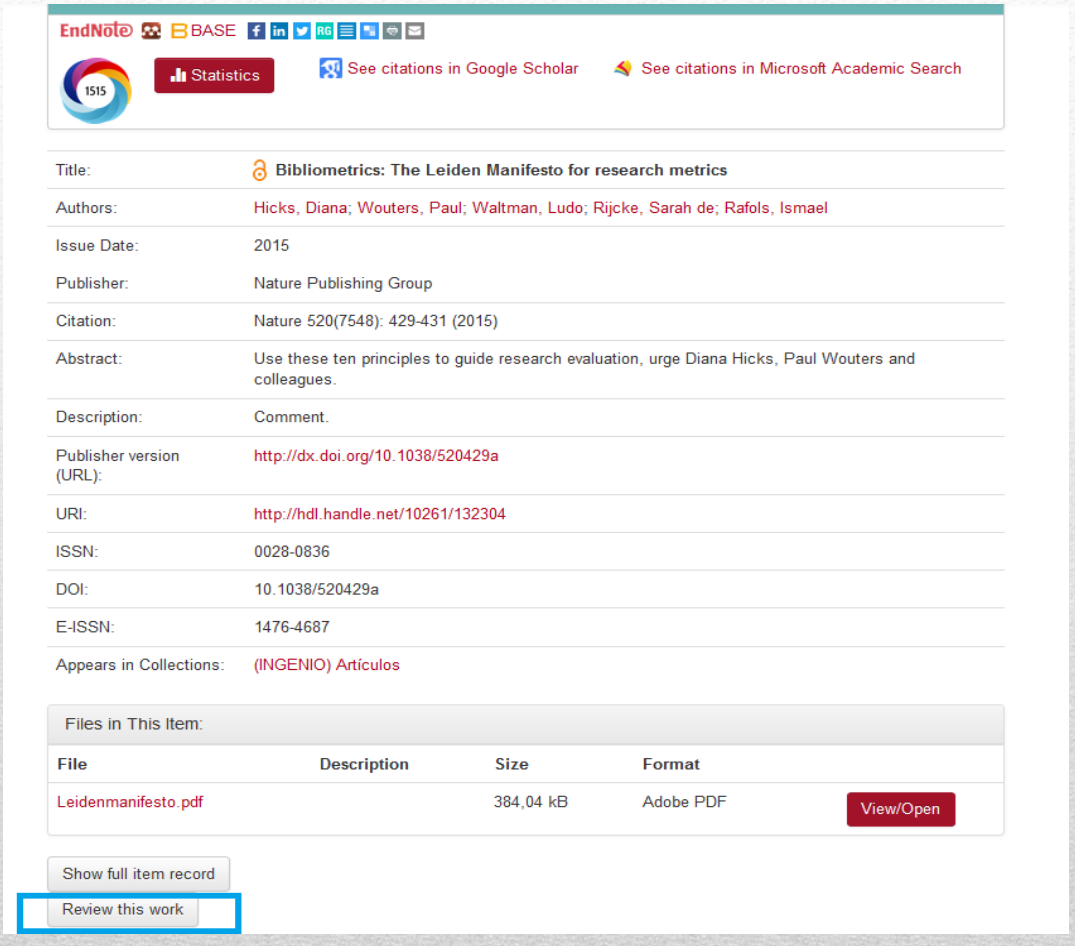


https://digital.csic.es/handle/10261/131210



https://digital.csic.es/handle/10261/131213

Waiting for open discussion...



https://digital.csic.es/handle/10261/132304

Enter your name.

Author * Last name, e.g. Smith | First name(s) + "Jr", e.g. Donald Jr

Enter your affiliation.

Affiliation *

The reviewer must indicate her affiliation

Select the language of your review.

Language * No aplicable

Copyright, use and reproduction of your review.

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By default, all reviews and comments have a CC-BY license

Link to terms of use and reproduction of your review.

Link to terms of use and reproduction. * http://creativecommons.org/licenses/by/4.0/

Resource type

Type * Revisión

New resource types

Choose option 1 if you consider that the work is scientifically acceptable. Choose option 0 if you consider that the authors should revise the work taking into account your evaluation. The scientific standard refers to various relevant parameters such as methodology, clarity of presentation, use of language, inclusion of key references, sound etc. Choose "No Aplicable" if you do not wish to score these criteria or they are not applicable to the work under review

Scientific standards * 1

Qualitative and quantitative peer review

Rate in a scale from 0-100 the importance of this work for its academic field. [0-100]

Importance of this work for its academic field * No aplicable

Rate in a scale from 0-100 how interesting this work is for other academic fields. [0-100]

General interest * No aplicable

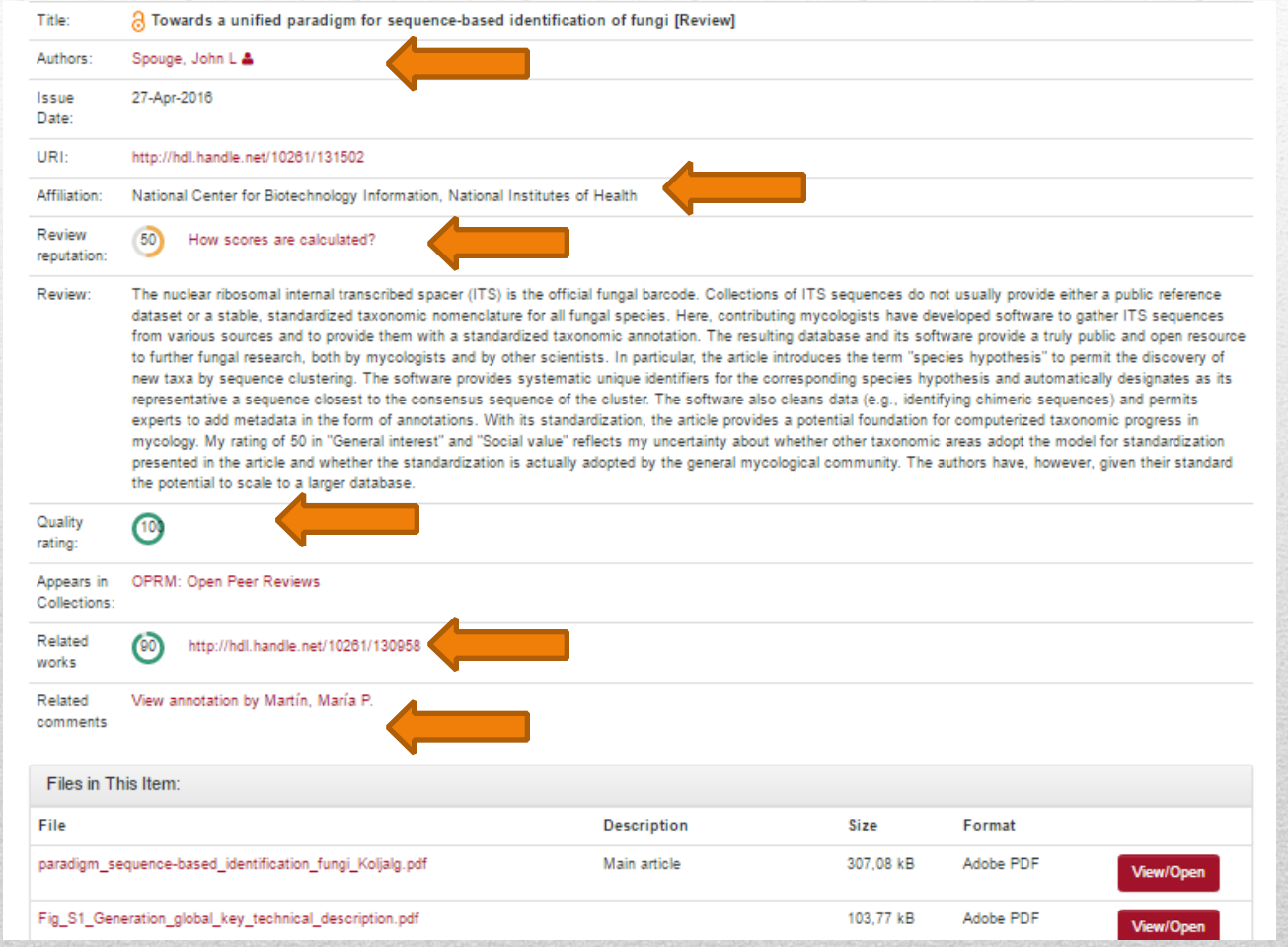
Rate in a scale from 0-100 the importance of this work for society in general (social value: how relevant this work is for the problems society is currently facing). [0-100]

Social value * No aplicable

Please provide below your detailed review about the work, including all necessary information to help its authors improve their contribution. Try to be constructive in your c you need to submit formatted text with figure, equations, etc., you will later have the opportunity to attach one or more additional files.

Review text *

Open reviews and comments generate new items in the repositories



Title:	Towards a unified paradigm for sequence-based identification of fungi [Review]
Authors:	Spouge, John L
Issue Date:	27-Apr-2016
URI:	http://hdl.handle.net/10261/131502
Affiliation:	National Center for Biotechnology Information, National Institutes of Health
Review reputation:	50 How scores are calculated?
Review:	The nuclear ribosomal internal transcribed spacer (ITS) is the official fungal barcode. Collections of ITS sequences do not usually provide either a public reference dataset or a stable, standardized taxonomic nomenclature for all fungal species. Here, contributing mycologists have developed software to gather ITS sequences from various sources and to provide them with a standardized taxonomic annotation. The resulting database and its software provide a truly public and open resource to further fungal research, both by mycologists and by other scientists. In particular, the article introduces the term "species hypothesis" to permit the discovery of new taxa by sequence clustering. The software provides systematic unique identifiers for the corresponding species hypothesis and automatically designates as its representative a sequence closest to the consensus sequence of the cluster. The software also cleans data (e.g., identifying chimeric sequences) and permits experts to add metadata in the form of annotations. With its standardization, the article provides a potential foundation for computerized taxonomic progress in mycology. My rating of 50 in "General interest" and "Social value" reflects my uncertainty about whether other taxonomic areas adopt the model for standardization presented in the article and whether the standardization is actually adopted by the general mycological community. The authors have, however, given their standard the potential to scale to a larger database.
Quality rating:	100
Appears in Collections:	OPRM: Open Peer Reviews
Related works	90 http://hdl.handle.net/10261/130958
Related comments	View annotation by Martín, María P.

Files in This Item:

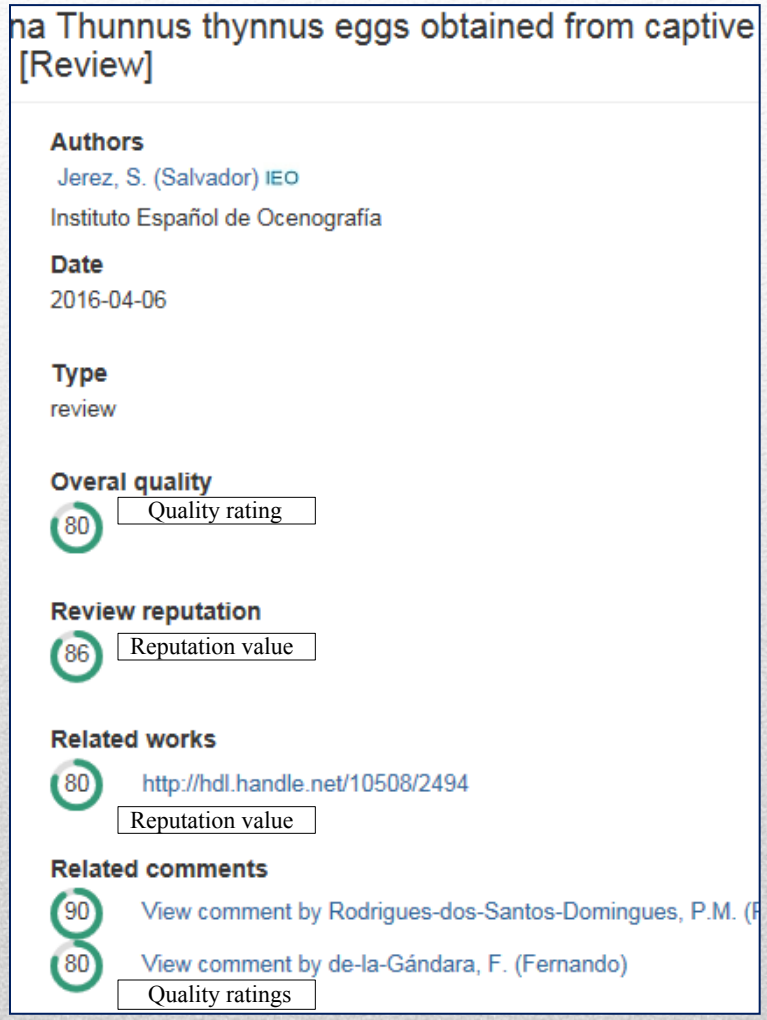
File	Description	Size	Format	
paradigm_sequence-based_identification_fungi_Koljalg.pdf	Main article	307,08 kB	Adobe PDF	View/Open
Fig_S1_Generation_global_key_technical_description.pdf		103,77 kB	Adobe PDF	View/Open

Open reviews records contain:

- Name of the reviewer and affiliation
- Links to the reviewed work
- Links to items with related open comments
- Individual quality rating of the reviewed work
- Weighed review reputation metrics

https://digital.csic.es/handle/10261/131502

Review sheet (clipping)



na Thunnus thynnus eggs obtained from captive [Review]

Authors

Jerez, S. (Salvador) IEO

Instituto Español de Ocenografía

Date

2016-04-06

Type

review

Overal quality

80 Quality rating

Review reputation

86 Reputation value

Related works

80 http://hdl.handle.net/10508/2494

Reputation value

Related comments

90 View comment by Rodrigues-dos-Santos-Domingues, P.M. (F

80 View comment by de-la-Gándara, F. (Fernando)

Quality ratings

Comment sheet (clipping)

mblages on the soft bottoms off the Catalan-Levante [Comment]

ísión (13.59Kb)

et/10508/10110

Authors

García-Rodríguez, M. (Mariano) IEO

Subdirección General de Investigación

Date

2016-04-19

Type

comment

Overal quality

70 Quality rating

Related reviews

87 View review by Sampedro-Pastor, P. (Paz)

Reputation

Abstract

Answer to the referee report of Paz Sampedro Dem
time and sampling season has little or no effect in the
only in spring so, rigorously, only this season is menti
objection argued to the differentiation of the two group
Firstly, groups were established based on the results
being subsequently grouped by a cluster. The MDS
depth, performing one ANOSIM, with the sub-routine
Thus five groups were identified, clearly separated b

Records of the reviewed works link to their open reviews, individual quality ratings and overall reputation metrics

Cold-water corals in the Cap de Creus canyon, northwestern Mediterranean: spatial distribution, density and anthropogenic impact

View/Open
m397p037.pdf (861.8Kb)

Identifiers
URI: http://hdl.handle.net/10508/7818
DOI: 10.3354/meps08314

Export
RIS

Share

Statistics
1
Cited 73 times in Scopus
View Usage Statistics

Metadata
Show full item record

Authors
Orejas, C. (Covadonga) IEO; Gori, A. (Andrea); Lo-Iacono, C. (Claudio); Puig, P. (Pere); Gili, J.M. (Josep Maria); Dale, M.R.T. (Mark R.T.)

Editor's version
http://www.int-res.com/abstracts/meps/v397/p37-51/

Date
2009

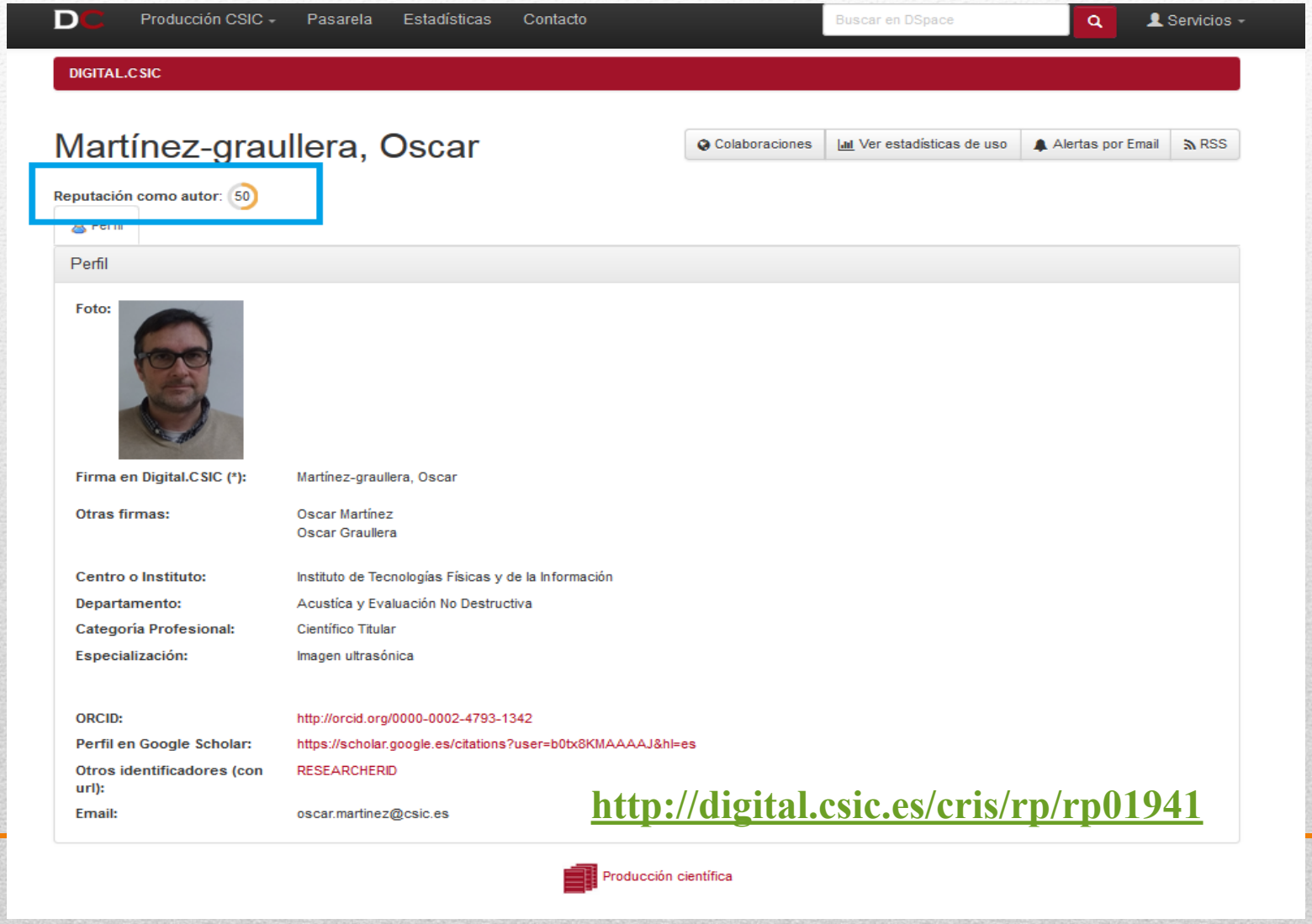
Type
article

Publication reputation
85 Reputation

Related reviews
90 View review by Cristobo, J. (Javier)
Quality
80 View review by Serrano, A. (Alberto)

Keywords
Cold water corals
Submarine canyons

Author/reviewer reputation metrics show in their personal page (1/2)



Continued..(2/2)

Orejas, C. (Covadonga)

Contact Information

Biography

Covadonga Orejas is graduate in
in Natural Sciences from the Univ
staff of the IEO (currently at COB
and other benthic organisms sinc
sustainable management of the C
projects conducted in 12 different
(44 SCI), and 7 book chapters. Sl
scientific journals, and several fur

Download in PDF

Download in CVN fragment

Fields of Specialization

Biology and ecology of cold-water corals (CWC) and other benthic org

Degrees

Graduate in Biology from the Universidad Complutense de Madrid (Sp
(Germany)

Departments

C.O. BALEARES

Last updated marzo 15, 2016

Author's reputation

79

Jerez, S. (Salvador)

Contact Information

Biography

Salvador Jerez, born in La Gomera (Spain)
of La Laguna (Spain). Researcher at the IE
Island Oceanographic Centre since 1989. E
with 20 years participating in 19 Spanish an
included in JCR/SC, and 40 National and In
greater amberjack in the European Project

Download in PDF

Download in CVN fragment

Fields of Specialization

Expert on Greater amberjack (Seriola dumerili) aquaculture specializing in reproc

Degrees

Graduate and PhD in Biology from the University of La Laguna (Spain)

Departments

C.O. CANARIAS

Last updated marzo 15, 2016

Reputation as a reviewer

86

Feedback from CSIC researchers and external reviewers invited to the OPRM pilot phase

- **A long awaited service** in the repository.
- **It is a great idea** that merits success as currently peer review is not credited in researchers CVs at all due to its anonymity**. But researchers will not have time to review and comment on other peers works as long as this activity remains outside of CVs recognition and lacks strong support from the research institutions.**
- The functionality may be also used to evaluate, accept and comment contributions before the conference?
- I have contacted 3 reviewers: **one has no time available, another is against any type of peer review as reviewing is a subjective activity in such a reduced scholarly discipline and the third one has accepted to do it.**
- **The service should promote spontaneous discussion** by anybody willing to send comments.
- **Inviting peers to an open evaluation may place people in an uncomfortable situation**, the module should work 100% open.
- **The service is great for preprints and other unpublished works but has limited applicability for works that have been already evaluated and published**.
- **How does open peer review operate in relation to "finished" pieces of work** (i.e, a book)?
- **How will the service compete with Academia.edu open review/comments**?
- **May I use the review functionality to invite peers to review my paper on SSRN?**
- **On one side, I like the initiative by the CSIC**, because it may foster debates among scholars on hot topics. **On the other side**, it requires time and effort from open reviewers, which they are probably willing to devote only if highly motivated. **It must be hard for most scholars to be able to allocate their very scarce time to comment on published articles, unless they really want to say something about them.**
- **Why do I need to upload my review as an attachment? It is an extra work load**

Feedback from e-IEO researchers and reviewers invited to the OPRM pilot phase

- Leads to open collaboration
- Ensures expert reviews
- Avoids subjectivity
- Full support would soon lead to full open science
- Implementation requires time
- Negative review… awkward situation among colleagues?

Prospects for the future

Talking about functionality..
what to evolve in the short-term?

- Reviewers identification/authentication
- Visual approach to object's relationships, reputations, timeline....

And some "blue-sky" ideas
standardize reputations concepts, profiles? Algorithms?...
federation of repositories interchanging reputations...

Prospects for the future

- **Institutional awareness raising campaigns**
- It remains a **challenge to enthuse authors to use the module for their preprints** as fears of journal rejection later on still prevail.
- **More work needed against** the following barriers: reticence to participate as to **lack of linkage with institutional assessment exercises** and rewards system, **limitations associated with an invitation-based module** and misunderstandings about the **OPRM reputation metrics>>>> FAQs coming soon!**
- **A cross-platform evaluation system is pending**. Widely disseminated and comparable platform-independent metrics

Next Generation Repositories

https://www.coar-repositories.org/activities/advocacy-leadership/working-group-next-generation-repositories/

Panel 6: Repositories of the Future

Time: **Thursday, 16/Jun/2016: 11:00am - 12:30pm**
Session Chair: **Richard Rodgers**

Location: **Joly Theatre**
Hamilton Building

Contact

Pandelis Perakakis: peraka@ugr.es

Emilio Lorenzo: elorenzo@arvo.es

Isabel Bernal: isabel.bernal@bib.csic.es

Thank you for your Attention!